

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 2. (Original) The method of claim 1 wherein if insufficient candidates are returned by the
2 query, then providing for a relaxing of the constraint, and a repetition of the query.

1 3. (Original) The method of claim 2 further comprising the step of identifying a portion of the
2 computer program code as a candidate for re-implementation as a database stored procedure call.

1 4. (Currently Amended) A method of identifying a portion of computer program code as a
2 candidate for a modification, said method comprising:

3 scanning and parsing source code corresponding to the computer program code
4 to determine static information concerning the computer program code;

5 storing the static information in a database;

6 collecting dynamic information concerning the computer program code during an
7 execution of the computer program code;

8 storing the dynamic information in the database;

9 developing relationships and dependencies responsive to the static information
10 and dynamic information stored in database;

11 storing the relationships and dependencies in the database;

12 providing for a query of the database to produce a set of potential candidates of
13 computer program code meeting a constraint of the query. The method of claim 3 wherein

14 the query searches the database for a portion of the computer program code having static
15 information indicating that the portion of the computer program code contains a call to a
16 database management system, and having dynamic information indicating that the portion
17 of the computer program code is subject to a call by another portion of computer program
18 code;

19 if insufficient candidates are returned by the query, then providing for a relaxing
20 of the constraint, and a repetition of the query; and

21 identifying a portion of the computer program code as a candidate for re-
22 implementation as a database stored procedure call.

1 5. (Original) The method of claim 4 wherein the query searches the database for a portion of
2 the computer program code having static information indicating that the portion of the computer
3 program code contains a number, above a specified first threshold, of calls to a database
4 management system, and having dynamic information indicating that the portion of the computer
5 program code is subject to a number of calls, above a specified second threshold, by another
6 portion of computer program code.

1 6. (Currently Amended) The method of claim 4 further comprising the step of identifying a
2 portion of the computer program code as a candidate for re-implementation as a Web-enabling
3 interface call.

1 7. (Original) The method of claim 6 wherein the query searches the database for a portion of
2 the computer program code having static information indicating that the portion of the computer
3 program code contains a transaction call.

1 8. (Original) The method of claim 7 wherein the query also searches the database for a portion
2 of the computer program code having static information indicating that the portion of the
3 computer program does not contain screen output related program code.

1 9. (Currently Amended) An article of manufacture for use in a computer system for identifying
2 a portion of computer program code as a candidate for a modification, said article of
3 manufacture comprising a computer-readable storage medium having a computer program
4 embodied in said medium which causes the computer system to execute a method comprising the
5 steps of:

6 scanning and parsing source code corresponding to the computer program code

7 to determine static information concerning the computer program code;

8 storing the static information in a database;

9 collecting dynamic information concerning the computer program code during an
10 execution of the computer program code;

11 storing the dynamic information in the database;

12 developing relationships and dependencies responsive to the static information
13 and dynamic information stored in database;

14 storing the relationships and dependencies in the database; and

15 providing for a query of the database to produce a set of potential candidates of
16 computer program code meeting a constraint of the query.

1 10. (Original) The article of manufacture of claim 9 wherein if insufficient candidates are
2 returned by the query, then providing for a relaxing of the constraint, and a repetition of the
3 query.

1 11. (Original) The article of manufacture of claim 10 wherein the embodied computer program
2 causes the computer system to execute the method step of identifying a portion of the computer
3 program code as a candidate for re-implementation as a database stored procedure call.

1 2 12. (Currently Amended) An article of manufacture for use in a computer system for
3 identifying a portion of computer program code as a candidate for a modification, said article of
4 manufacture comprising a computer-readable storage medium having a computer program
5 embodied in said medium which causes the computer system to execute a method comprising:
6 scanning and parsing source code corresponding to the computer program code
7 to determine static information concerning the computer program code;
8 storing the static information in a database;
9 collecting dynamic information concerning the computer program code during an
10 execution of the computer program code;
11 storing the dynamic information in the database;
12 developing relationships and dependencies responsive to the static information
13 and dynamic information stored in database;
14 storing the relationships and dependencies in the database;
15 providing for a query of the database to produce a set of potential candidates of
16 computer program code meeting a constraint of the query ~~The article of manufacture of~~
~~claim 11 wherein the query searches the database for a portion of the computer program~~

17 code having static information indicating that the portion of the computer program code
18 contains a call to a database management system, and having dynamic information
19 indicating that the portion of the computer program code is subject to a call by another
20 portion of computer program code;

21 if insufficient candidates are returned by the query, then providing for a relaxing

22 of the constraint, and a repetition of the query; and

23 identifying a portion of the computer program code as a candidate for re-
24 implementation as a database stored procedure call.

1 13. (Original) The article of manufacture of claim 12 wherein the query searches the database
2 for a portion of the computer program code having static information indicating that the portion
3 of the computer program code contains a number, above a specified first threshold, of calls to a
4 database management system, and having dynamic information indicating that the portion of the
5 computer program code is subject to a number of calls, above a specified second threshold, by
6 another portion of computer program code.

1 14. (Currently Amended) The article of manufacture of claim 12 to wherein the embodied
2 computer program causes the computer system to execute the method step of identifying a
3 portion of the computer program code as a candidate for re-implementation as a Web-enabling
4 interface call.

1 15. (Original) The article of manufacture of claim 14 wherein the query searches the database
2 for a portion of the computer program code having static information indicating that the portion
3 of the computer program code contains a transaction call.

1 16. (Original) The article of manufacture of claim 15 wherein the query also searches the
2 database for a portion of the computer program code having static information indicating that the
3 portion of the computer program does not contain screen output related program code.

1 17. (Original) A computer system for identifying a portion of computer program code as a
2 candidate for a modification, said computer system comprising :

3 a parser for scanning and parsing source code corresponding to the computer
4 program code to determine static information concerning the computer program code;

5 *2* an execution monitor for collecting dynamic information concerning the computer
6 ~~X~~ program code during an execution of the computer program code;

7 relationships and dependencies developed responsive to the static information and
8 dynamic information;

9 a database for storing the static information, the dynamic information, and the
10 relationships and dependencies; and

11 a query of the database to produce a set of potential candidates of computer
12 program code meeting a constraint of the query.

1 18. (Original) The computer system of claim 17 wherein if insufficient candidates are returned
2 by the query, then providing for a relaxing of the constraint, and a repetition of the query.

1 19. (Original) The computer system of claim 18 further comprising an identification of a
2 portion of the computer program code as a candidate for re-implementation as a database stored
3 procedure call.

1 20. (Currently Amended) A computer system for identifying a portion of computer program
2 code as a candidate for a modification, said computer system comprising :

3 a parser for scanning and parsing source code corresponding to the computer
4 program code to determine static information concerning the computer program code;
5 an execution monitor for collecting dynamic information concerning the computer
6 program code during an execution of the computer program code;
7 relationships and dependencies developed responsive to the static information and
8 dynamic information;
9 a database for storing the static information, the dynamic information, and the
10 relationships and dependencies; and
11 a query of the database to produce a set of potential candidates of computer
12 program code meeting a constraint of the query ~~The computer system of claim 19 wherein~~
13 the query searches the database for a portion of the computer program code having static
14 information indicating that the portion of the computer program code contains a call to a
15 database management system, and having dynamic information indicating that the portion
16 of the computer program code is subject to a call by another portion of computer program

17 code, and wherein if insufficient candidates are returned by the query, then providing for
18 a relaxing of the constraint, and a repetition of the query; and
19 a portion of the computer program code identified as a candidate for re-
20 implementation as a database stored procedure call.

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1 21. (Original) The computer system of claim 20 wherein the query searches the database for a
2 portion of the computer program code having static information indicating that the portion of the
3 computer program code contains a number, above a specified first threshold, of calls to a
4 database management system, and having dynamic information indicating that the portion of the
5 computer program code is subject to a number of calls, above a specified second threshold, by
6 another portion of computer program code.

1 22. (Currently Amended) The computer system of claim 20 +8 further comprising an
2 identification of a portion of the computer program code as a candidate for re-implementation as
3 a Web-enabling interface call.

1 23. (Original) The computer system of claim 22 wherein the query searches the database for a
2 portion of the computer program code having static information indicating that the portion of the
3 computer program code contains a transaction call.

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1 24. (Original) The computer system of claim 23 wherein the query also searches the database
2 for a portion of the computer program code having static information indicating that
3 the portion of the computer program does not contain screen output related program code.
